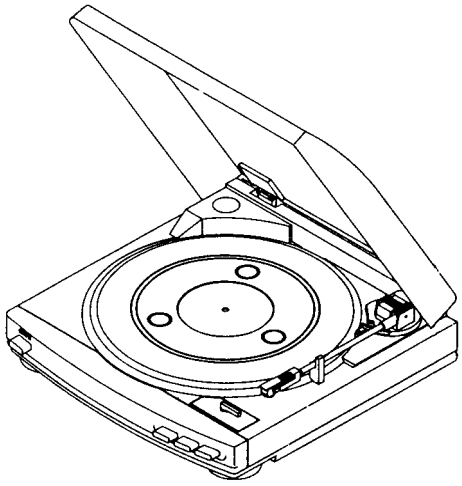
aiwa SERVICE

PX-E860 U(ST)



SERVICE MANUAL

STEREO TURNTABLE SYSTEM

SPECIFICATIONS

Motor	DC servo motor
Drive system	Belt drive
Speed	$33^{1}/_{3}$ rpm, 45 rpm
Wow & flutter	0.25% (WRMS)
S/N ratio	45 dB (DIN-B)
Cartridge type	VM type
Stylus	AIWA AN-11
Output level	200 mV (2.5 mV/sw. OFF)
Dimensions	Approx. 360 × 97 × 358 mm (w/h/d) ($14^{1}/_{4} \times 3^{7}/_{8} \times 14^{1}/_{4}$ in.)
Weight	Approx. 2.4 kg net (5 lbs. 5 oz)
Power requirement	120 V AC, 60 Hz
Power consumption	3 watts

Design and specifications subject to change without notice.

aiwa

S/M Code No. 09-993-322-0R1

ADJUSTMENT

1. Auto Return Adjustment.
   Test Record (HP – 4005)

Adjustment	Count
Auto Return	9 – 12

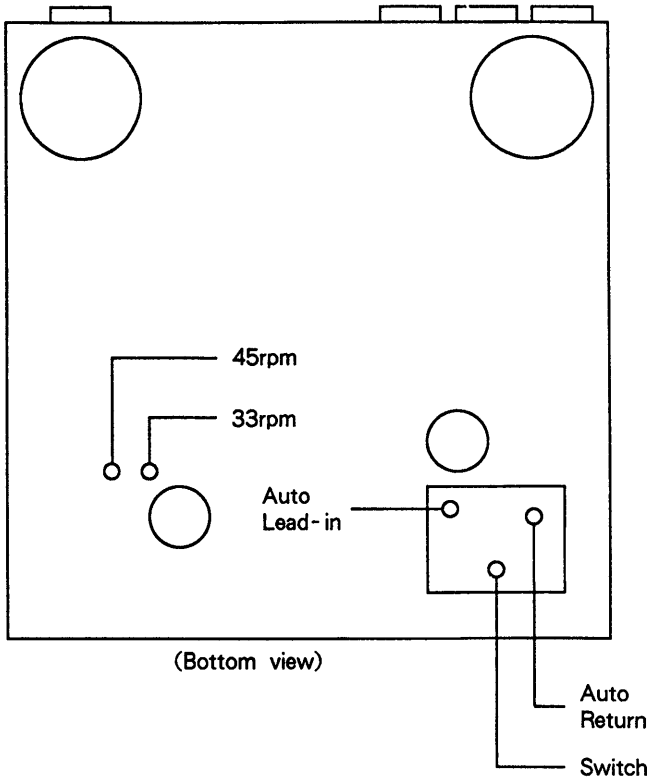
2. Auto Lead – in Adjustment.
   Test Record (HT – 5 side1)

Adjustment	Disk Size	Count
Auto Lead-in	30cm	13 – 17
	17cm	13 – 16

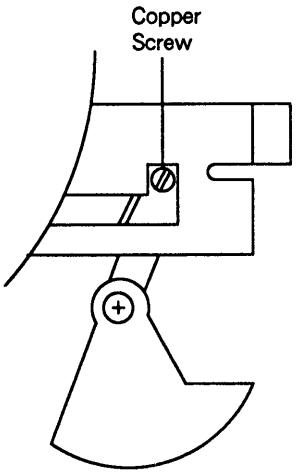
3. Phono Motor Speed Adjustment.
   Test Record (HP – 4005)

33rpm	3000Hz
45rpm	3000Hz

4. Switch Adjustment.
   (1). Fix tonearm on armrest, remove bottom cover.
   (2). Turn the switch adj. screw so that the plastic tip touches the center position of leaf switch.
   (3). Turn the copper screw so that the gap between two contact point on the leaf switch is from 0.35mm to 0.8mm.



(Bottom view)



PRACTICAL SERVICE FIGURE

< Turntable Section >
Wow & flutter : Less than 0.23% (WRMS)

< Cartridge Section >
Stylus trip : 0.6mil
Stylus pressure : 3.5g
Output voltage : 127~262mV

ELECTRICAL MAIN PARTS LIST

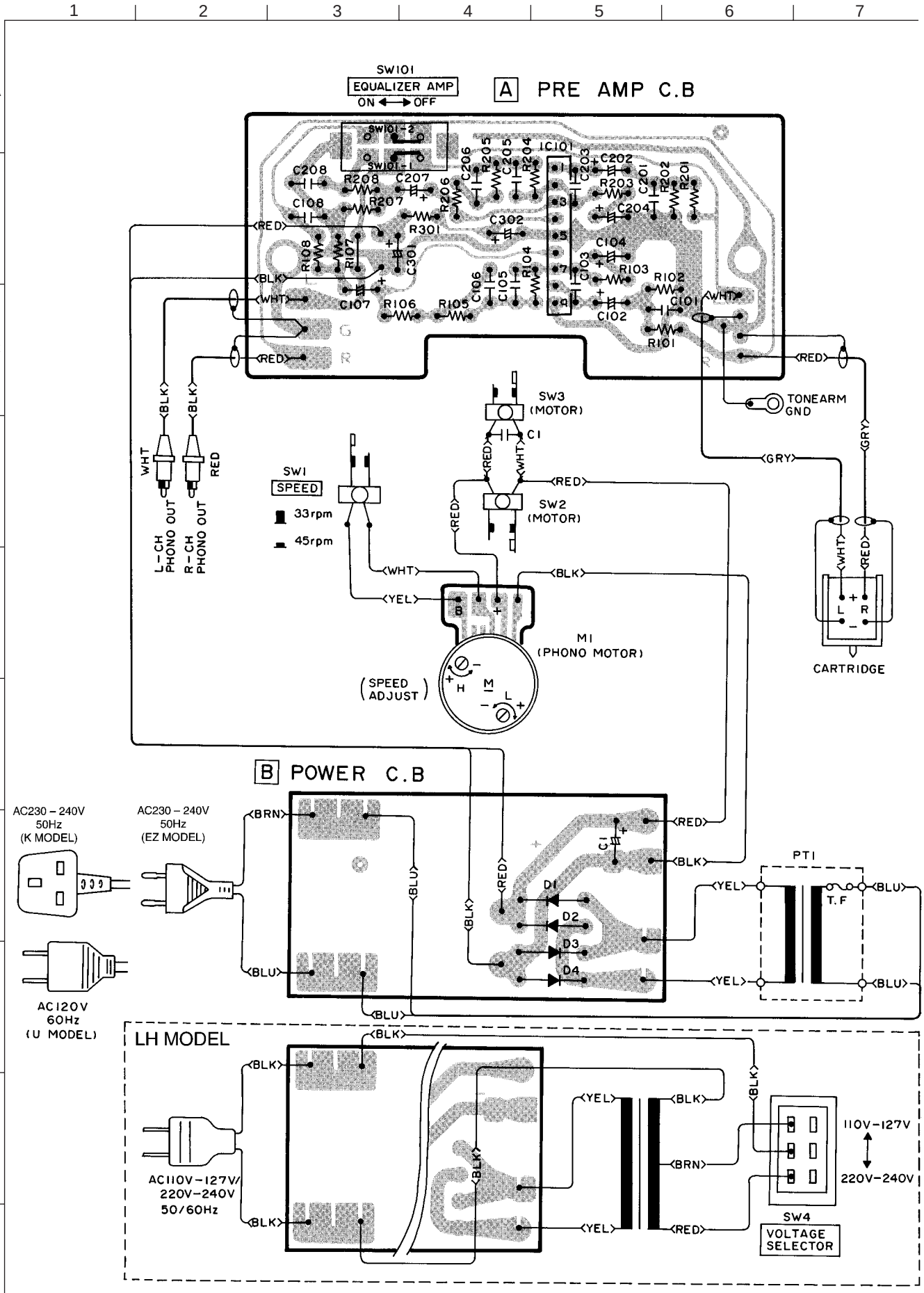
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-027-683-010		IC,TA7325
DIODE			
	87-001-783-080		DIODE,1N4002
PRE AMP C.B			
	S8-E27-BK0-190		SIGNAL WIRE
C102	87-015-995-810		CAP,E 4.7-50V
C104	87-010-412-010		CAP,E 10-25V
C107	87-015-995-810		CAP,E 4.7-50V
C202	87-015-995-810		CAP,E 4.7-50V
C204	87-010-412-010		CAP,E 10-25V
C207	87-015-995-810		CAP,E 4.7-50V
C301	87-010-564-010		CAP,E 100-16V
C302	87-010-564-010		CAP,E 100-16V
SW101	S3-PXE-900-280		SLIDE SWITCH
POWER C.B			
C1	87-010-237-010		CAP,E 1000UF/16V M

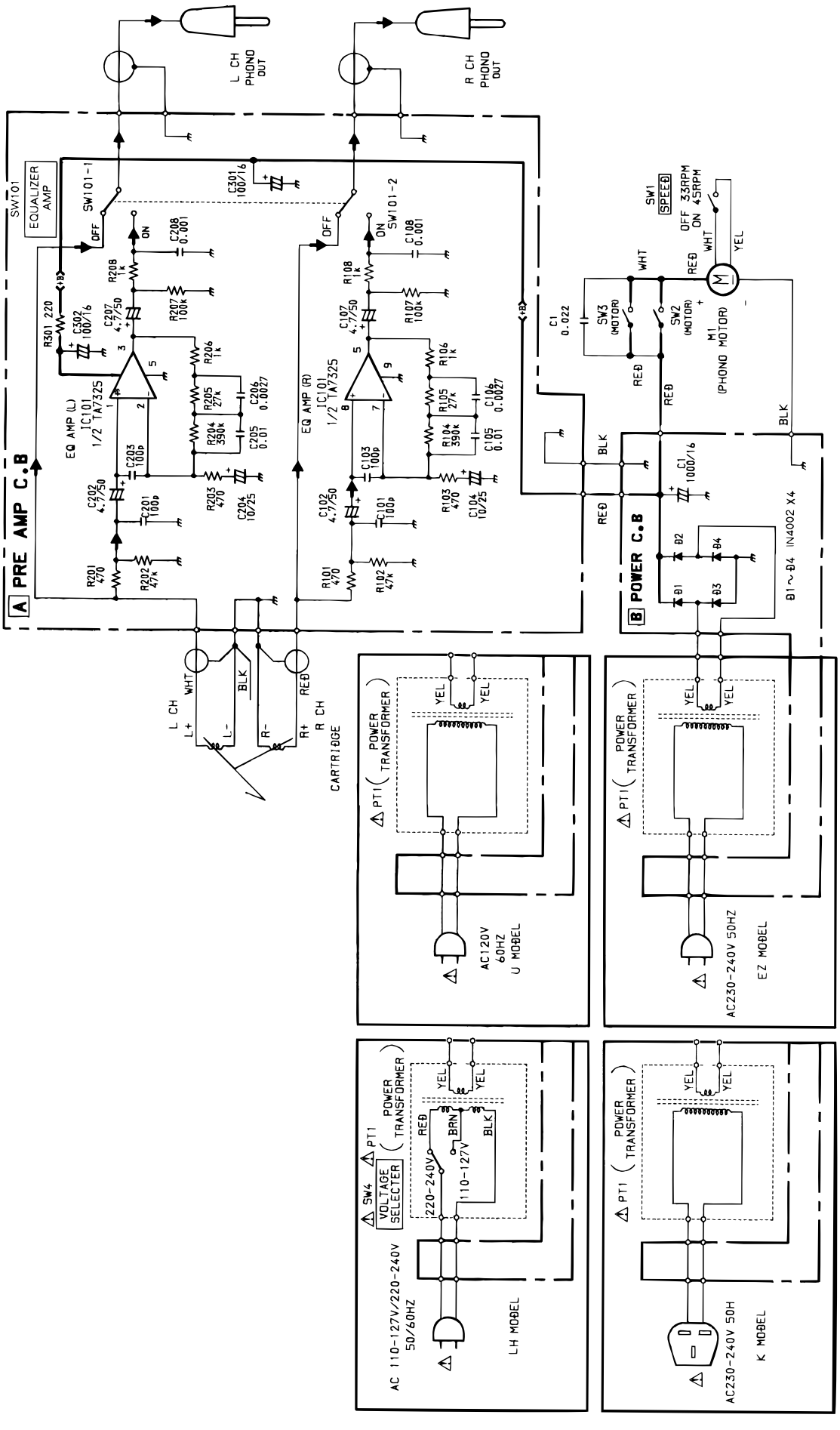
ACCESSORIES LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

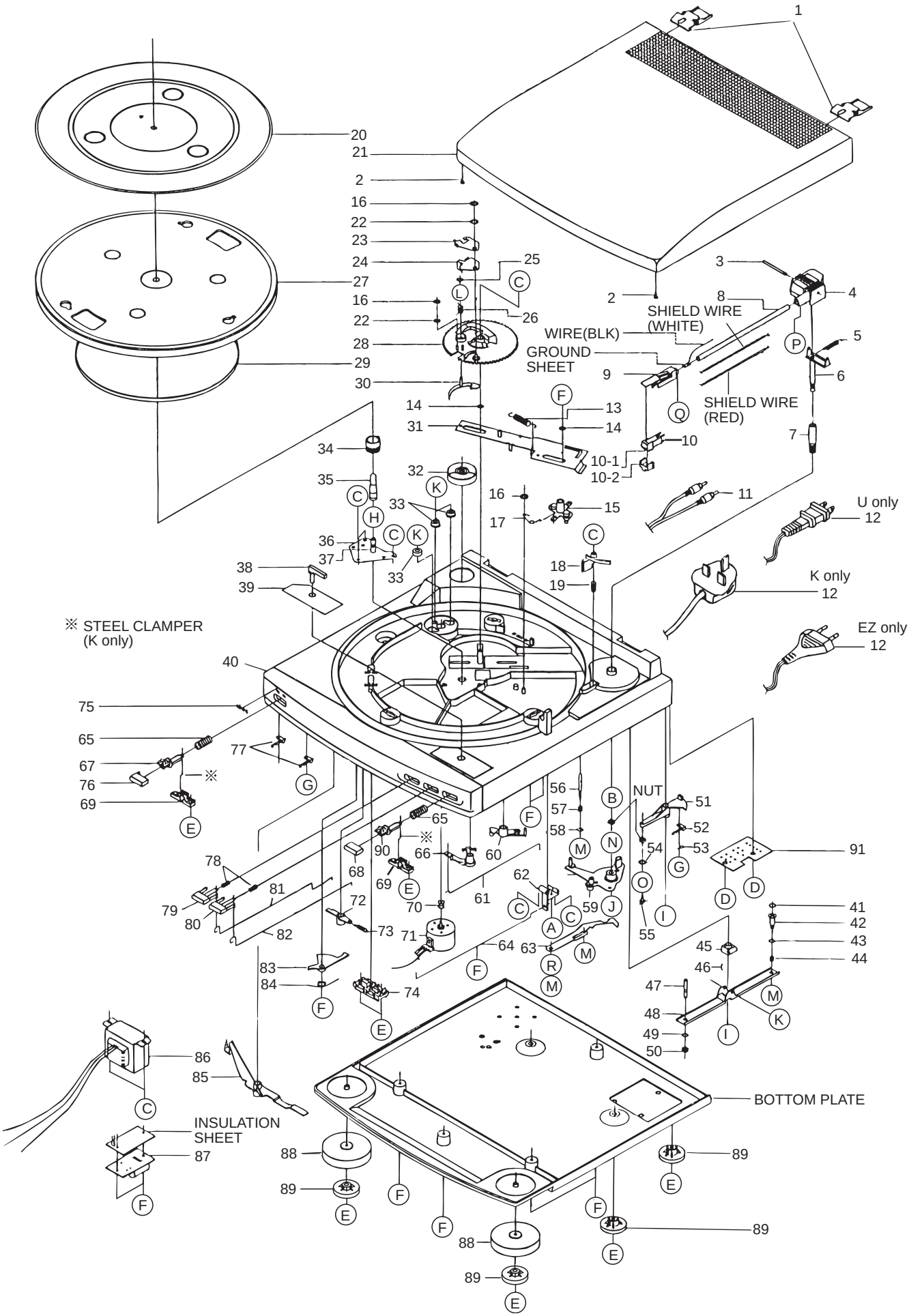
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S0-0H2-000-160		ADAPTOR 45RPM
2	S8-60E-1C7-500		INSTRUCTION BOOK(PXE860EZ)<EZ>
2	SE-860-KC7-530		INSTRUCTION BOOK(PXE860K)<K>
2	SE-860-UC7-520		INSTRUCTION BOOK(PXE860U)<U>
3	SX-E85-5E6-050		INSTRUCTION BOOK<EZ>


SW101
EQUALIZER AMP
ON ↔ OFF
A PRE AMP C.B
SW101-2
SW101-1
IC101
C208
R208
C207
C108
R207
R206
C206
R205
C205
R204
C204
C203
C202
R203
C201
R202
R201
R301
C302
C301
R108
R107
C107
R106
R105
C106
C105
R104
C104
R103
R102
C103
C102
C101
R101
WHT
RED
BLK
GRY
TONEARM
GND
SW3
(MOTOR)
C1
SW2
(MOTOR)
SW1
SPEED
33rpm
45rpm
L-CH
PHONO OUT
R-CH
PHONO OUT
YEL
M1
(PHONO MOTOR)
SPEED
ADJUST
H
L
CARTRIDGE
B POWER C.B
AC230 – 240V
50Hz
(K MODEL)
AC230 – 240V
50Hz
(EZ MODEL)
AC120V
60Hz
(U MODEL)
BRN
BLU
D1
D2
D3
D4
PT1
T.F
LH MODEL
AC110V-127V/
220V-240V
50/60Hz
110V-127V
220V-240V
SW4
VOLTAGE
SELECTOR

SCHEMATIC DIAGRAM



MECHANICAL EXPLODED VIEW 1/1



MECHANICAL MAIN PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S0-3B6-000-260		HINGE ASS'Y
2	S4-B60-002-6A0		FOOT FOR DUST COVER(PXE850)
3	S0-SL2-4F1-180		PIN (FOR TONEARM SET)
4	S0-SL2-4F2-310		TONE ARM SET
5	S3-SL2-4F0-830		SPRING
6	S3-SL2-4F0-560		ROTARY SHAFT ASSY
7	S0-SL2-4F1-070		TONE ARM SHAFT SET
8	S0-SL2-4F1-320		TONE ARM TUBE
9	S0-SL3-4F2-320		HEADSHELL
10	S2-E27-BK0-480		CARTRIDGE(W/STYLUS)
10-1	S1-E27-BK0-230		STYLUS
10-2	S0-0B6-011-800		STYLUS COVER
11	S8-E27-BK0-190		SIGNAL WIRE
⚠ 12	S0-930-040-160		AC CORD(E)<EZ>
⚠ 12	SH-MD5-00B-037		AC CORD(K)<K>
⚠ 12	SC-132-0FA-034		AC CORD(U)<U>
13	S3-SL2-4F0-670		SPRING
14	S0-SL2-4F1-17A		COPPER WASHER
15	S0-SL2-4F2-470		SELECT PLATE
16	S0-6F2-000-130		CS WASHER (3M/M)
17	S3-SL2-4F0-690		SPRING
18	S0-SL2-4F2-380		LIFTER
19	S0-3MD-260-590		SPRING
20	S4-PXE-900-720		PLATTER MAT
21	SP-XE8-508-950		DUST COVER
22	S6-SL2-4F0-570		WASHER METAL 3-10-0.5
23	S0-SL2-4F1-300		FRICTION LINK
24	S0-SL2-4F1-310		ACTUATING LINK
25	S0-6B3-000-290		E-RING WASHER 1.5MM
26	S3-SL2-4F0-770		SPRING
27	S0-0F7-002-280		PLATTER TARNTABULE
28	S0-SL2-4F2-480		CAM GEAR
29	S4-PXE-900-760		BELT
30	S3-SL2-4F0-500		CAM GEAR CONTROL ASSY
31	S3-SL2-4F0-490		RETURN LINK ASS'Y
32	S0-0H2-000-160		ADAPTOR 45RPM
33	S4-SL2-4F0-380		RUBBER FOOT FOR MOTOR
34	S0-SL2-4F2-440		SMALL GEAR
35	S2-PXE-900-090		PLATER SHAFT ASS'Y
36	S3-SL2-4F0-510		PLATE SHAFT SET ASY
37	S0-7B6-000-020		STEEL BALL
38	S0-SL2-4F2-360		SELECT RECORD KNOB
39	SP-EX8-508-500		DECORATIVE PLATE
40	S8-55L-HA8-940		BASE
41	S4-SL2-4F0-390		RUBBER CAP
42	S0-SL2-4F1-140		SHAFT
43	S6-SL2-4F0-560		WASHER METAL 5-8-0.5
44	S3-SL2-4F0-780		SPRING
45	S0-SL2-4F2-410		LIFTER SET
46	S3-SL2-4F0-720		SPRING
47	S0-SL2-4F1-120		SHAFT
48	S3-SL2-4F0-520		CUEING LEVER ASSY
49	S0-6B3-000-390		SPRING WASHER METAL 3-5-1
50	S1-A10-000-400		NUT
51	S0-SL2-4F2-390		FIEXING SWITCH SET
52	S3-SL2-4F0-160		SW,MICRO
53	————		CONDENSOR
54	S0-6D2-000-510		SPRING WASHER METAL 3-6-1
55	S0-SL2-4F1-130		SHAFT
56	S0-SL2-4F1-160		SHAFT
57	S3-SL2-4F0-790		SPRING
58	S0-6H2-000-190		WASHER METAL 3-5-1
59	S0-SL2-4F2-420		STATING LEVER
60	S0-SL2-4F2-350		PENDULUM(M)
61	S0-3L1-001-030		SPRING
62	S0-0F7-002-720		OIL SHAFT SET
63	S0-SL2-4F1-260		CONTROL PLATE
64	SP-XE8-501-840		SPR,FOR CUE
65	S0-3B6-000-400		SPRING
66	S0-SL2-4F2-450		SELECTOR
67	S0-0B6-001-390		KNOB SHAFT
68	SP-EX8-509-000		CUE,KNOB(PXE860)
69	S0-0F7-002-590		KNOB SET
70	S0-0L1-001-330		PULLEY
71	S0-1H7-030-380		MOTOR MMI-6T2RWK
72	S0-SL2-4F2-400		PENDULUM(S)
73	S3-SL2-4F0-660		SPRING
74	S0-0B6-001-440		PRESS SET
75	SP-XE8-508-500		DECORATIVE PLATE
76	S8-60L-HA8-970		SPEED KNOB(PXE860)
77	S3-SL2-4F0-110		MICRO SWITCH
78	S3-SL2-4F0-760		SPRING
79	SP-XE8-508-980		START KNOB(PXE860)
80	SP-XE8-508-990		CUT KNOB(PXE860)
81	SP-XE8-501-820		SPR
82	SP-XE8-501-830		SPR
83	S0-SL2-4F2-340		PENDULUM(L)
84	S3-SL2-4F0-680		SPRING
85	S0-SL2-4F2-430		STATING SUPPORT
⚠ 86	S1-PXE-850-068		POWER TRANS(EZ)<EZ>
⚠ 86	SP-XE8-50K-070		POWER TRANS(K)<K>
⚠ 86	SP-XE8-50U-067		POWER TRANS(U)<U>
⚠ 87	————		POWER P.C.B Assy
88	S0-PXE-903-320		FOOT RING
89	S4-SL2-4F0-360		RUBBER FOOT
90	S8-60K-C18-060		CUE KNOB SHAFT BASE(PXE860)
91	————		DUAL PREAMP P.C.B
A	87-741-072-410		SCREW,UT2+2.6-5
B	S6-SL2-4F0-550		WASHER
C	87-761-095-410		SCREW VFT2+3-8
D	87-751-095-410		SCREW VT2+3-8
E	87-761-097-410		SCREW VFT2+3-12
F	87-751-096-410		SCREW VT2+3-10
G	87-751-074-410		SCREW VT2+2.6-8
H	S2-SL2-4F0-930		SCREW
I	87-761-096-410		SCREW VFT2+3-10
J	87-481-097-410		SCREW VWS+3-12
K	87-481-103-410		SCREW VWS+3-24
L	S0-6F2-000-060		WASHER
M	S0-6F2-000-110		E-RING WASHER (3M/M)
N	S0-6F2-000-120		E-RING WASHER (5M/M)
O	S6-SL2-4F0-580		WASHER
P	87-261-097-410		SCREW V+3-12
Q	87-261-074-410		SCREW,V+2.6-8
R	S6-DP3-6F0-640		WASHER\

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
N	Gold	P	Pink	R	Red
S	Silver	ST	Titan Silver	T	Brown
V	Violet	W	White	Y	Yellow

サービス技術ニュース	
番号	連絡内容
G一　一	
G一　一	
G一　一	

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